In the Specification:

Page 1, line 1 is amended as follows:

~~Specification~~

Page 1, lines 2-3 are amended as follows:

~~Grid computing system, management server, processing server, control method,~~ ~~control program and recording medium~~ GRID COMPUTING SYSTEM, MANAGEMENT SERVER, PROCESSING SERVER, CONTROL METHOD, CONTROL PROGRAM AND RECORDING MEDIUM

Page 1, line 4 is amended as follows:

~~Detailed Description of the Invention:~~

Page 1, line 5 is amended as follows:

~~[Field of the Invention]~~   FIELD OF THE INVENTION

Page 1, line 13 is amended as follows:

~~[Background art]~~   BACKGROUND OF THE INVENTION

Page 2, lines 5-21 are amended as follows:

~~[Disclosure of the invention]~~

~~[Problems to be solved by the invention]~~

In the grid computing described above, however, only a job requestor's server sends a program and data to each of the multiple computers. Therefore, as the number of computers to be requested increases, load on the requestor's server also increases, and network traffic is concentrated on the requestor's server. Accordingly, in order to efficiently complete a job by a lot of computers, it is required to strengthen server equipment at great cost.

SUMMARY OF THE INVENTION

The object of the present invention is to provide a grid computing system capable of solving the above problem, a management server, a processing server, a control method, a control program and a recording medium. The object can be achieved by combination of the characteristic described in the independent claims in the claims. The dependent claims provide further advantageous, specific examples of the present invention.

[Summary of the invention]

The paragraph beginning on page 3, line 20 is amended as follows:

[Advantages of the Invention]   BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a functional block diagram of a grid computing system 10;

Figure 2 is a functional block diagram of a management server 20;

Figure 3 shows an example of the data structure of send data 30;

S/N: 10/597,634   3

Figure 4 shows an example of the data structure of a processing server information storing unit 220;

Figure 5 is a functional block diagram of a processing server 50-2;

Figure 6 shows an outline of the operational flow of the grid computing system 10 when it normally operates (first example);

Figure 7 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (second example);

Figure 8 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (third example);

Figure 9 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (fourth example);

Figure 10 shows details of operation performed at S610;

Figure 11 shows details of operation performed at S620;

Figure 12 shows details of operation to be continued from Figure 11;

Figure 13 shows details of operation performed at S630;

Figure 14 shows details of operation performed at S670;

Figure 15 shows details of operation performed at S700;

Figure 16 shows details of operation performed at S800; and

Figure 17 shows an example of hardware configuration of a computer which functions as the management server 20.

DETAILED DESCRIPTION OF THE INVENTION

Page 3, line 23 is amended as follows:

[Preferred embodiment]

The paragraph beginning on page 43, line 1 is amended as follows:

Brief Description of the Drawings:

Figure 1 is a functional block diagram of a grid computing system 10;

Figure 2 is a functional block diagram of a management server 20;

Figure 3 shows an example of the data structure of send data 30;

Figure 4 shows an example of the data structure of a processing server information storing unit 220;

Figure 5 is a functional block diagram of a processing server 50-2;

Figure 6 shows an outline of the operational flow of the grid computing system 10 when it normally operates (first example);

Figure 7 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (second example);

Figure 8 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (third example);
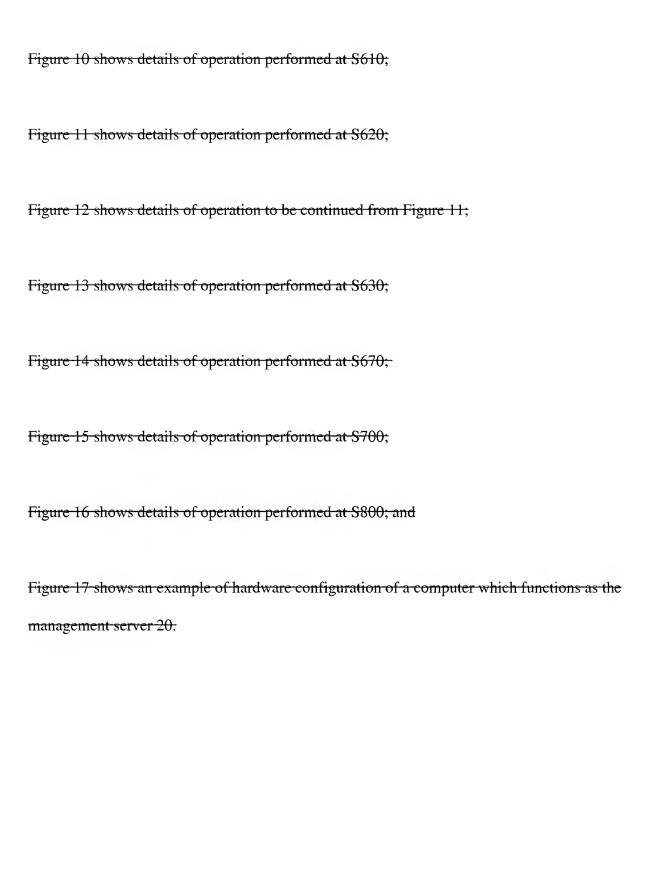
Figure 9 shows an outline of the operational flow of the grid computing system 10 when a fault has occurred (fourth example);

Figure 10 shows details of operation performed at S610;

Figure 11 shows details of operation performed at S620;

Figure 12 shows details of operation to be continued from Figure 11;

Figure 13 shows details of operation performed at S630;

Figure 14 shows details of operation performed at S670;

Figure 15 shows details of operation performed at S700;

Figure 16 shows details of operation performed at S800; and

Figure 17 shows an example of hardware configuration of a computer which functions as the management server 20.